

ABSTRACT OF THE DISCLOSURE

The system of the present invention utilizes memory for storing a computer program and processing circuitry for executing instructions of the computer program. In particular, the computer program includes at least one branch instruction and a set 5 of code that is to be selectively enabled or disabled. The branch instruction includes an address identifier identifying a memory address to which the processing circuitry may branch when executing the branch instruction. The processing circuitry, in executing the computer program, receives run time data indicative of whether the set of code is enabled or disabled, and based on the run time data, the processing circuitry 10 sets a value of a mode indicator. While the program is running, the processing circuitry executes the branch instruction. In executing the branch instruction, the processing circuitry, depending on the value of the mode indicator, branches to the address identified by address identifier or branches to a different address. The set of code is located at one of the foregoing addresses. Thus, execution of the set of code is 15 either enabled or disabled by controlling the value of the mode indicator.